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SOURCE Elektrichestvo, No 1, 1951, p 87.

Engr A. L. Fayerman

Over 400 persons participated in the conference, of whom 338 were delegates from 78 industrial centers and cities of the Soviet Union.

A preliminary discussion of the "Specifications" was begun in the latter part of 1948 when an editorial in the periodical Elektrichestvo, No 10, 1948, opened the debate on the first volume of the "Specifications" (23 issues), and VNIITOE, together with the State Inspectorate of Industrial Electric Power and Electric Power Control of the MES, organized a country-wide discussion of the "Specifications" through the branches of VNIITOE and the electric power sales administrations. Electric power systems, electric power sales administrations, industrial enterprises, and planning and installation organizations participated in the discussions.

The conference was opened by Engineer V. S. Yasevich, chairman of the Organizational Committee, who noted the role of the "Specifications" in introducing advanced techniques and outlined the aims and the tasks of the conference.

The first paper read was that of Professor M. A. Shatelen, Corresponding Member, Academy of Sciences USSR, entitled "Historical Survey of the Development of Electrotechnical Specifications in the USSR." The paper dealt with the initial

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period of development of electrical engineering in Russia. The development of the first lighting equipment required that specifications be drawn up for the construction of certain types of equipment. Later, specifications for electrical equipment were discussed and approved by All-Russian Electrical Engineering Congresses. Electrotechnical specifications were discussed for the last time in 1929 at the Ninth Electrical Engineering Congress.

I. A. Syromyatnikov, Candidate Technical Sciences (Technical Administration of the MES), presented a paper on the work done by the MES on "The Development of Specifications for the Manufacture of Electrical Equipment." In 1938 - 1939, the Main Administration of Power Engineering of the People's Commissariat of the Fuel Industry published drafts of several sections of the Specifications for the Manufacture of Electrical Equipment. The discussion of these specifications was interrupted by the war. On 18 May 1944, the State Committee on Defense approved the Charter of the Ministry of Electric Power Plants, confirmed subsequently by decree of the Council of Ministers USSR, dated 30 August 1950. This charter gave the ministry the right to develop and confirm specifications, binding upon all ministries and offices, for the manufacture of electrical equipment. At the time of this conference, two issues (including 33 sections) of the "Specifications" had been prepared. The Inter-Office Commission on Specifications carefully reviews all materials received on discussion of the "Specifications," as well as material from this conference, and then makes corresponding changes in the "Specifications."

Engineer V. S. Yasevich (Specifications and Standards Division, VNITOE) reported on "The Results of the Consideration and Discussion by the Organizational Committee of the Specifications for the Manufacture of Electrical Equipment." The Organizational Committee, which began its work in 1949, had the specification discussed by engineers, technicians, Stakhanovite workers, and leading production people. For discussion and systematization of the comments received (over 2,200) the Organizational Committee set up 14 specialized sections in Moscow and Leningrad. The most important problems were sent to the All-Union Conference for discussion along with explanatory text in the form of a booklet furnished to delegates to the conference. In addition, the sections drew up their recommendations on the specifications in accordance with the decree of the Council of Ministers USSR of 25 May 1950 on the reduction of construction costs. The sections gave good evaluations to the new "Specifications" as a whole and recommended their approval.

The following chairmen of VNITOE sections gave reports at the conference on the various sections of the "Specifications": Engineer M. K. Karchev on "Specifications for Planning Electric Power Systems" and "Electric Power Supply of Industrial Enterprises"; Professor P. G. Grudinskiy on "Distribution Units and Substations for Voltages Over 1,000 Volts"; Engineer A. A. Yermilov on "Distribution Units for Voltages up to 1,000 Volts," "Storage Batteries," "Static Capacitors," and "Wiring for Control and Measuring Circuits"; G. M. Knorring, Candidate Technical Sciences, on "Lighting Equipment," "Plug Connections, Circuit Breakers, and Lamp Sockets"; Engineer D. B. Mondrus on "Electric Furnace Installations"; Engineer P. F. Solov'yev on "Wiring Systems"; Engineer M. M. Zarkhin on "Cable Lines For Voltages Up to 35 KV"; Engineer O. G. Veksel'man on "Overhead Electric Transmission Lines for Voltages Over 1,000 Volts"; I. A. Budzko, Doctor Technical Sciences on "Electrical Equipment for Rural Areas"; Engineer Ya. M. Bol'sham "Electric Machine Halls," "Electric Motors," and "Electric Equipment for Spaces Having Fire and Explosion Hazards"; L. P. Podol'skiy, Candidate Technical Sciences, on "Grounding and Use of Neutrals in Electrical Equipment for Voltages up to 1,000 Volts." The division chairmen outlined the basic principles used in the compilation of the new specifications, compared the features of the new specifications with those of the old ones, analyzed the comments they had received, and reported on the disposition of comments by the sections and the section evaluations of the "Specifications" as a whole.

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Seventy-seven delegates participated in the lively debates. The material presented by the sections of VNITOE was processed in commissions elected by the conference. The proposals of the commissions were then discussed and adopted by the conference.

In the concluding part of the conference, information was given on the remaining ten sections of the "Specifications" which are contained in the second collection, issued just prior to the conference.

The conference adopted a decision to approve the first collection of the "Specifications for the Manufacture of Electrical Equipment" issued in 1950, taking into consideration the changes and additions adopted during the conference. The conference further acknowledged the need for requesting that the Technical Administration of the MES, the Main Administration of Electrical Installations of the Ministry of Construction of Heavy Industry Enterprises, and the State Inspectorate of Industrial Electric Power and Electric Power Control of the MES confirm within the shortest possible time those recommendations of the conference which are most important from the standpoint of price reduction and improvement of electrical equipment. The successful efforts of the Technical Administration of the MES, the Main Administration of Electrical Installations of the Ministry of Construction of Heavy Industry Enterprises, and the State Inspectorate of Industrial Electric Power and Electric Power Control of the MES in writing up the "Specifications for the Manufacture of Electrical Equipment" were mentioned in the decisions of the conference.

The conference deemed it advisable to continue the work of VNITOE in the public discussion of the "Specifications" with a view to their continued improvement to conform with the latest engineering accomplishments.

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